

301 General. The provisions of Chapter 3 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

302 Floor or Ground Surfaces

Figure 302.2 Carpet Pile Height

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

Figure 302.3 Elongated Openings in Floor or Ground Surfaces

303 Changes in Level

303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303.

EXCEPTIONS:

1. Animal containment areas shall not be required to comply with 303.
2. Areas of sport activity shall not be required to comply with 303.

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

Figure 303.2 Vertical Change in Level

303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

Figure 303.3 Beveled Change in Level

303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

304 Turning Space

304.1 General. Turning space shall comply with 304.

304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

Figure 304.3.2 T-Shaped Turning Space

304.4 Door Swing. Doors shall be permitted to swing into turning spaces.

305 Clear Floor or Ground Space

305.1 General. Clear floor or ground space shall comply with 305.

305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted.

EXCEPTION:

Slopes not steeper than 1:48 shall be permitted.

305.3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

Figure 305.3 Clear Floor or Ground Space

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306.

305.5 Position. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element.

Figure 305.5 Position of Clear Floor or Ground Space

305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.

305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2.

306 Knee and Toe Clearance

306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with 306.

306.2 Toe Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

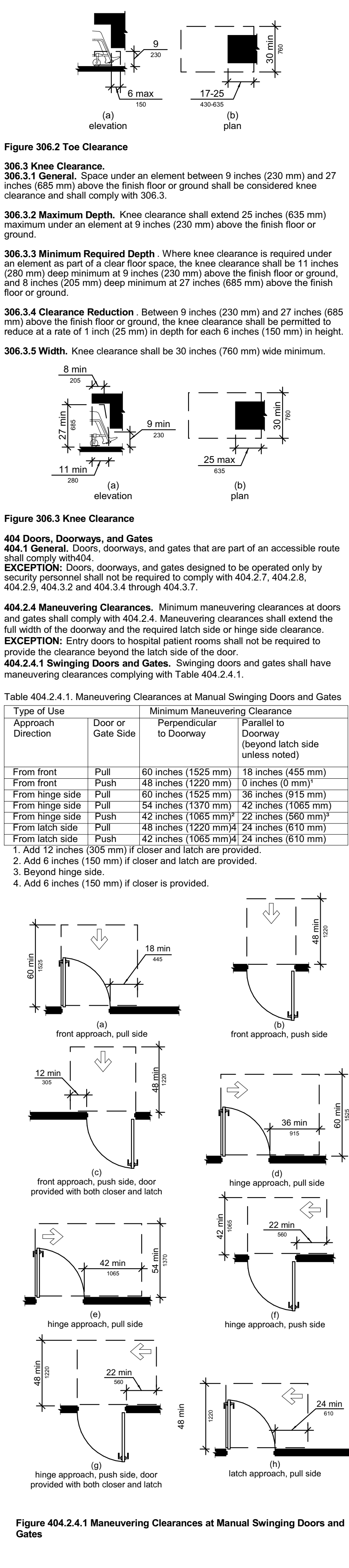
306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.



503.4 Floor and Ground Surfaces. Vehicle pull-up spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the vehicle pull-up space they serve. Changes in level are not permitted.
EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

503.5 Vertical Clearance. Vehicle pull-up spaces, access aisles serving them, and a vehicular route from an entrance to the passenger loading zone, and from the passenger loading zone to a vehicular exit shall provide a vertical clearance of 114 inches (2895 mm) minimum.

504 Stairways

504.1 General. Stairs shall comply with 504.

504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted.

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted.
EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48.

504.5 Nosings. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

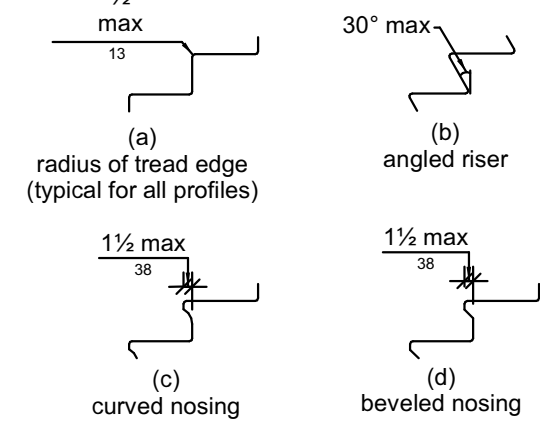


Figure 504.5 Stair Nosings

504.6 Handrails. Stairs shall have handrails complying with 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505 Handrails

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.
EXCEPTION: In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

EXCEPTION: In assembly areas, handrails on ramps shall not be required to be continuous in aisles serving seating.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

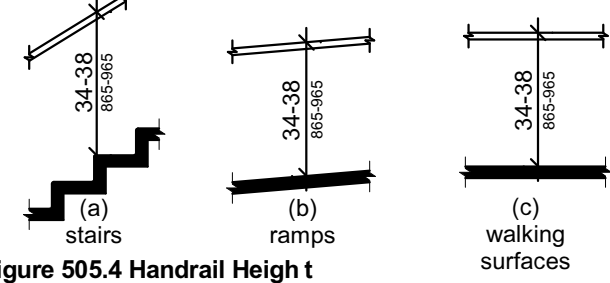


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.

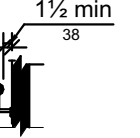


Figure 505.5 Handrail Clearance

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

EXCEPTIONS:

1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards.

2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (13 mm) of additional handrail perimeter dimension that exceeds 4 inches (100 mm).

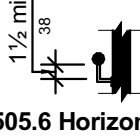


Figure 505.6 Horizontal Projections Below Gripping Surface

505.7 Cross Section. Handrail gripping surfaces shall have a cross section complying with 505.7.1 or 505.7.2.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 5 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

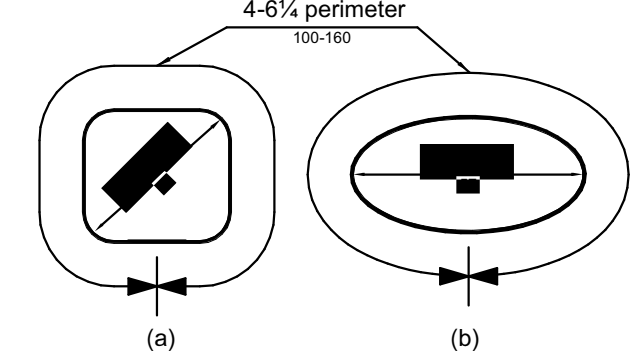


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

EXCEPTIONS:

1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps.

2. In assembly areas, extensions shall not be required for ramp handrails in aisles serving seating where the handrails are discontinuous to provide access to seating and to permit crossovers within aisles.

3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.



Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

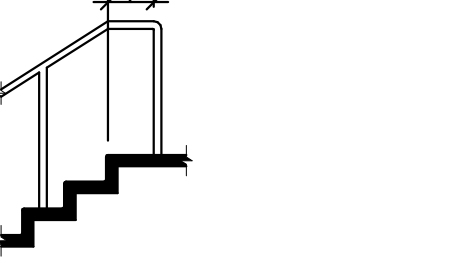


Figure 505.10.2 Top Handrail Extension at Stairs

505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

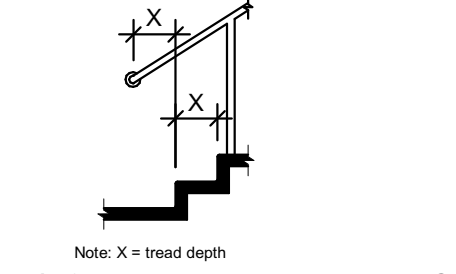


Figure 505.10.3 Bottom Handrail Extension at Stairs

601 General

601.1 Scope. The provisions of Chapter 6 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

602 Drinking Fountains

602.1 General. Drinking fountains shall comply with 307 and 602.

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knees and toe clearance complying with 308 shall be provided.

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 1 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

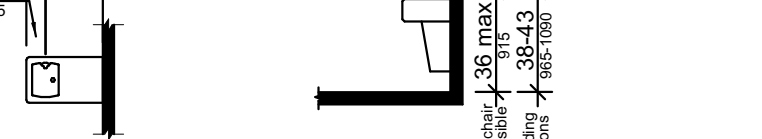


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) max. above the finish floor or ground.

603 Toilet and Bathing Rooms

603.1 General. Toilet and bathing rooms shall comply with 603.

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

EXCEPTIONS:
1. Doors to a toilet room or bathing room for a single occupant accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3.
2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

603.5 Diaper Changing Tables. Diaper changing tables shall comply with Sections 309 and 902.

603.6 Operable Parts. Operable parts on towel dispensers and hand dryers serving accessible lavatories shall comply with Table 603.6.

Table 603.6	Maximum Reach Depth and Height					
Maximum Reach Depth (13 mm)	2 inches (51 mm)	5 inches (125 mm)	8 inches (203 mm)	9 inches (230 mm)	11 inches (280 mm)	
Maximum Reach Height (1220 mm)	46 inches (1170 mm)	42 inches (1065 mm)	40 inches (1015 mm)	36 inches (915 mm)	34 inches (865 mm)	

604 Water Closets and Toilet Compartments

604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8.

EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

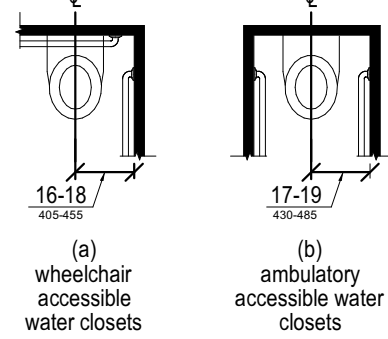


Figure 604.2 Water Closet Location

604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with 604.3.

604.3.1 Clearance width. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall

604.3.2 Clearance Depth. Clearance around the water closet shall be 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

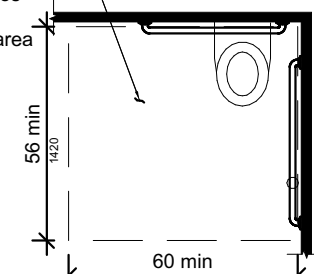


Figure 604.3.1 Size of Clearance for Water Closets

604.3.3 Clearance Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Height. The height of a water closet seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

EXCEPTIONS: A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 604.4.

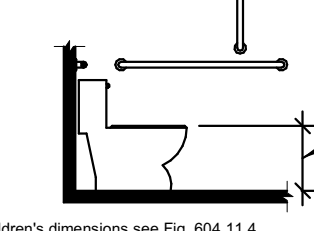


Figure 604.4 Height

604.5 Grab Bars. Grab bars for water closets shall comply with 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.

EXCEPTIONS:
1. Grab bars shall not be required to be installed in a toilet room for a single occupant accessed only through a private office and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5.
2. In detention or correction facilities, grab bars shall not be required to be installed in housing or holding cells that are specially designed without protrusions for purposes of suicide prevention.

604.5.1 Fixed Side Wall Grab Bars. Fixed side-wall grab bars shall be 42 inches (1065 mm) minimum in length, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall. In addition, a vertical grab bar 18 inches (455 mm) minimum in length shall be mounted with the bottom of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum above the floor, and with the center line of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum from the rear wall.

EXCEPTION: The vertical grab bar at water closets primarily for children's use shall comply with Section 604.9.2.

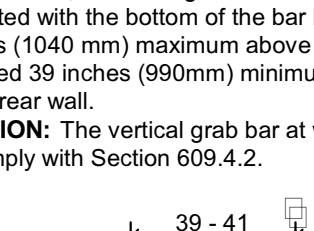


Figure 604.5.1 Side Wall Grab Bar for Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

EXCEPTIONS:
1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet.
2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.

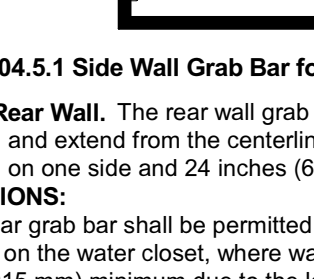


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309. Flush controls shall be located on the open side of the water closet.

EXCEPTION: In ambulatory accessible compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

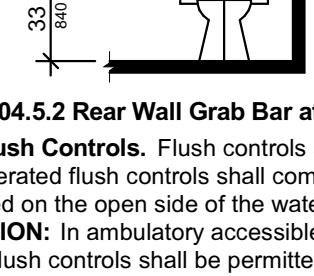


Figure 604.7 Dispensers

604.8 Toilet Paper Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

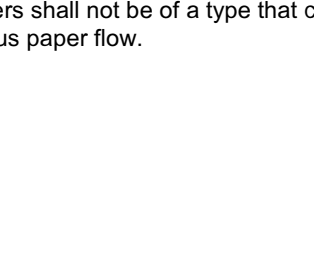


Figure 604.8 Toilet Paper Dispensers

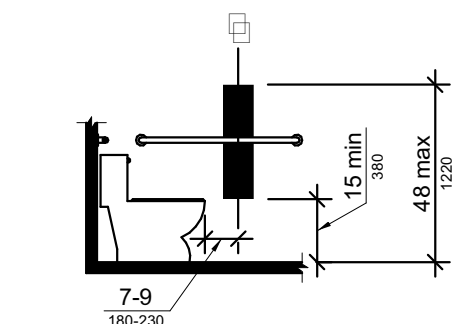


Figure 604.7 Dispenser Outlet Location

604.8 Coat Hooks and Shelves. Coat hooks provided within toilet compartments shall be 48 inches (1220 mm) maximum above the floor. Shelves shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

604.9 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.9.

604.9.2.2 Size. Toilet compartments shall comply with Section 604.9.2.1 or 604.9.2.2 as applicable.

604.9.2.1 Minimum area. The minimum area of a wheelchair accessible compartment shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall.

604.9.2.2 Compartment for children's use. The minimum area of a wheelchair accessible compartment primarily for children's use shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

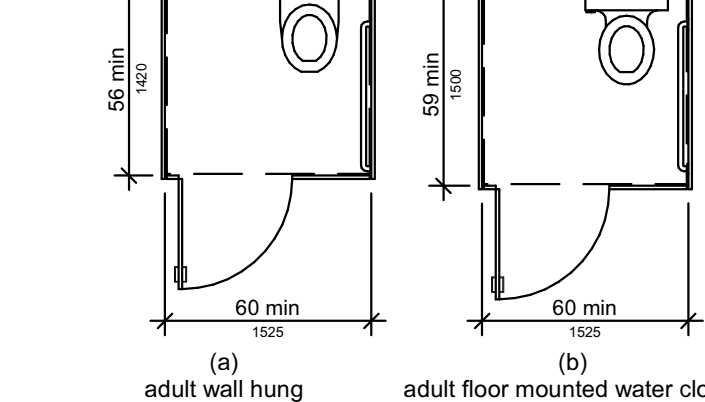


Figure 604.9.2.1 Minimum area

604.9.3 Doors. Toilet compartment doors, including door hardware, shall comply with Section 404 except that if the approach is to the latch side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.6 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment.

604.9.3.1 Door Opening Location. The farthest edge of toilet compartment door opening shall be located in the front wall or partition or in the side wall or partition as required by Table 604.9.3.1.

Door Opening Location	Measured From	Dimension
Front Wall or Partition	From the side wall or partition closest to the water closet	56 inches (1420 mm) minimum
Side Wall or Partition	From the side wall or partition farthest from the water closet	4 inches (100 mm) maximum
Side Wall or Partition	From the rear wall	52 inches (1320 mm) minimum
Side Wall or Partition	From the front wall or partition	4 inches (100 mm) maximum
Side Wall or Partition	From the rear wall	56 inches (1395 mm) minimum
Side Wall or Partition	From the front wall or partition	4 inches (100 mm) maximum

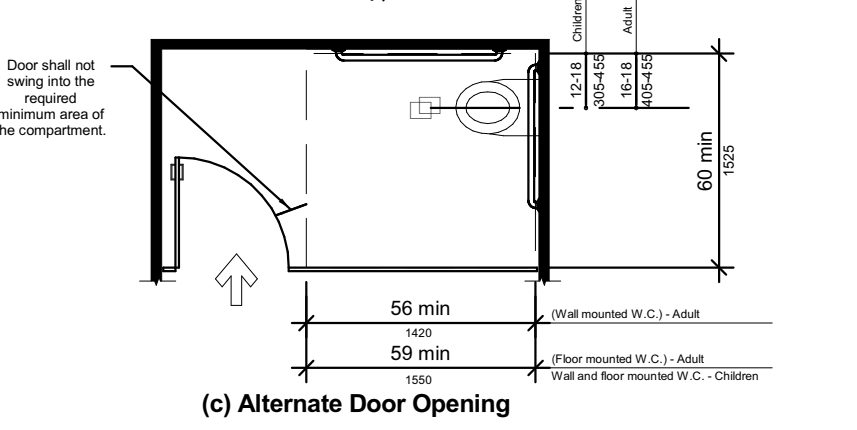
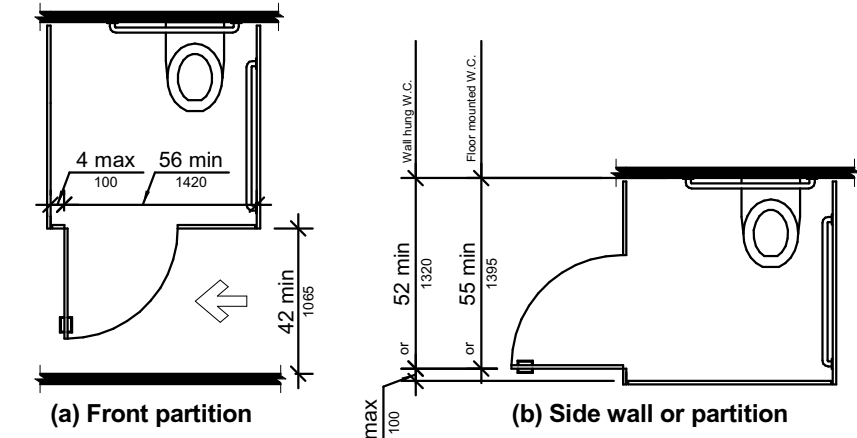
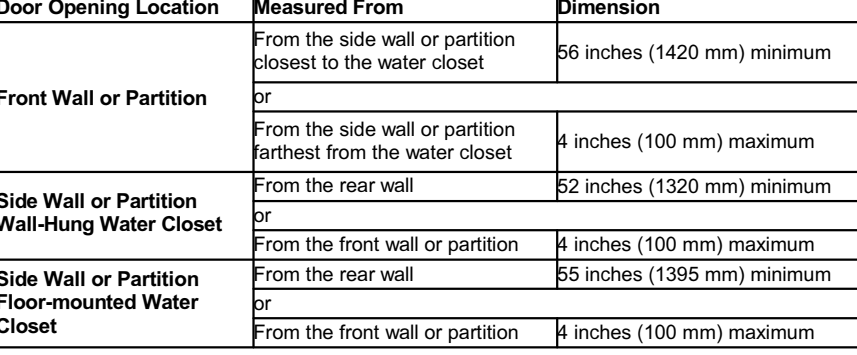


Figure 604.9.3.1 Door Opening location

604.9.4 Approach. Wheelchair accessible compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.5 Toe Clearance. Toe clearance for compartments primarily for children's use shall comply with Section 604.9.5.2. Toe clearance for other wheelchair accessible compartments shall comply with Section 604.9.5.1.

604.9.5.1 Toe Clearance at Compartments. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) min. above the floor and extending 6 inches (150 mm) beyond the compartment side face of the partition, exclusive of partition support members.

EXCEPTIONS:
1. Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) in depth with a wall-hung water closet, or greater than 65 inches (1650 mm) in depth with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide.
2. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) in width.

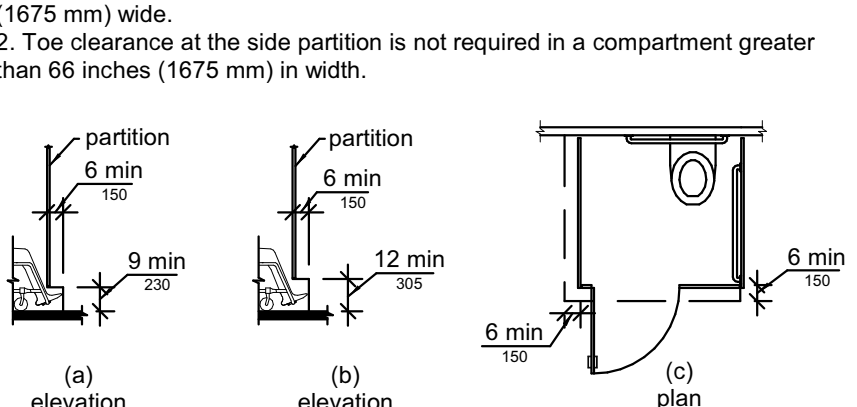


Figure 604.9.5 Wheelchair Accessible Toilet Compartment Toe Clearance

604.9.5.2 Toe Clearance at Compartments for Children's Use. The front partition and at least one side partition of compartments primarily for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the floor and extending 6 inches (150 mm) beyond compartment side face of the partition, exclusive of partition support members.

EXCEPTIONS:

1. Toe clearance at the front partition is not required in a compartment greater than 65 inches (1650 mm) in depth.
2. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) in width.

604.9.6 Grab Bars. Grab bars shall comply with Section 609. Side-wall grab bars complying with 604.5.1 located on the wall closest to the water closet, and a rear wall grab bar complying with 604.5.2 shall be provided.

604.10 Ambulatory Accessible Compartments.

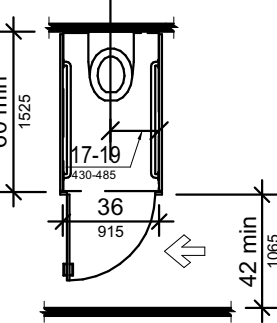


Figure 604.10.1 Ambulatory Accessible Compartment

604.10.1 General. Ambulatory accessible compartments shall comply with Section 604.10.

604.10.2 Size. The minimum area of an ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and 36 inches (915 mm) in width.

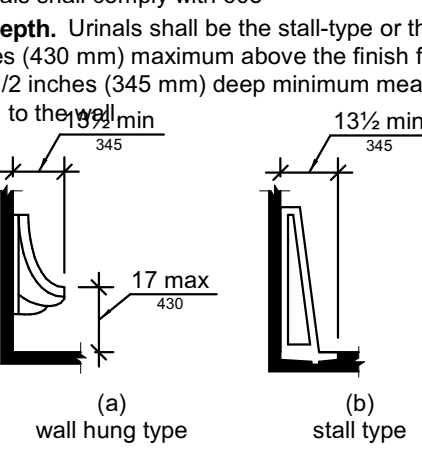
604.10.3 Doors. Toilet compartment doors, including door hardware, shall comply with Section 404, except that if the approach is to the latch side of the compartment door, the clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.6 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.10.4 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

605 Urinals

605.1 General. Urinals shall comply with 605.

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the rear wall.



605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks

606.1 General. Lavatories and sinks shall comply with 606.

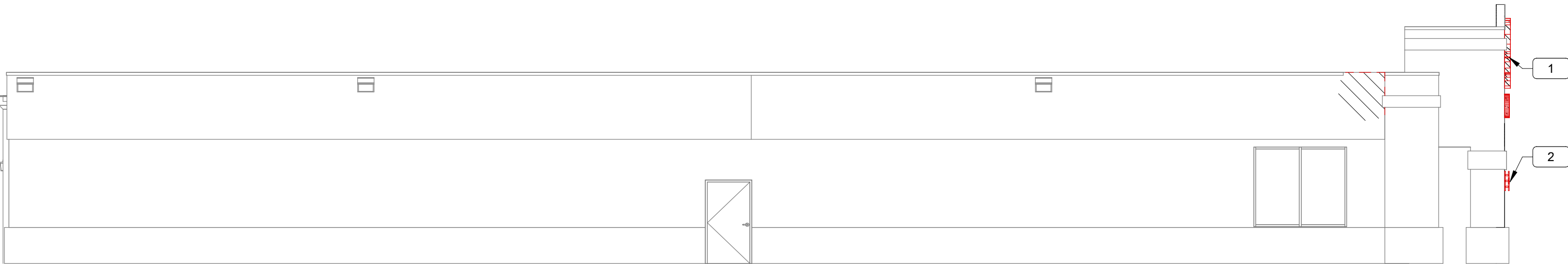
606.2 Clear Floor Space. A clear floor space complying with 305.3, positioned for a forward approach, and knee and toe clearance complying with 308 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearance.

EXCEPTIONS:
1. A parallel approach complying with 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided and to wet bars.

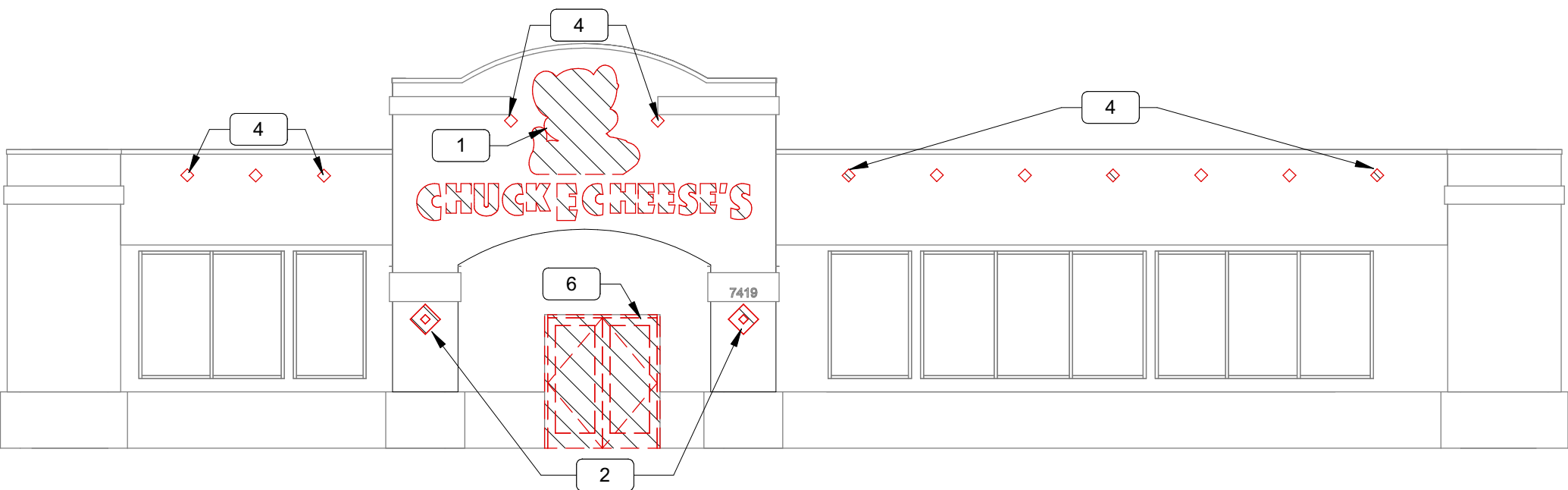
2. A lavatory in a toilet room or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to provide knee and toe clearance.

3. A knee clearance of 24 inches (610 mm) minimum above the finish floor shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor.

4. A parallel approach complying with 305 and centered on the sink, shall be permitted at lavatories and



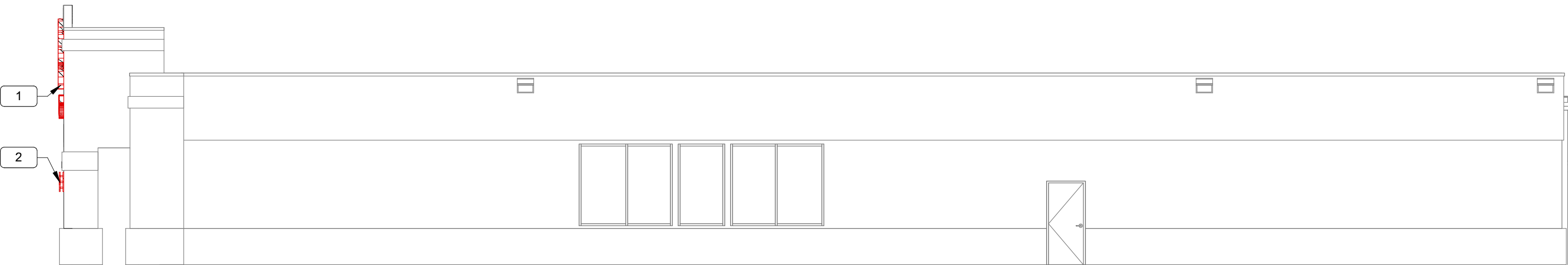
1 North Demo Elevations
1/8" = 1'-0"



2 East Demo Elevations
1/8" = 1'-0"



3 West Demo Elevations
1/8" = 1'-0"



4 South Demo Elevation
1/8" = 1'-0"

General Notes - Demolition

Key #	Demolition Notes
A	Existing conditions are based on field observations. The demolition plan is for reference only. Contractor to verify existing conditions prior to the start of work.
B	Demolish indicated structures and fixtures in an orderly and careful manner.
C	Provide temporary supports, shoring and bracing as required to protect existing structural items remaining in place. Verify and coordinate existing utilities to be removed and/or relocated.
D	Erect weatherproof closures for exterior openings created by demolition work.
E	Demolished items shall be removed from site and legally disposed of.
F	Protect existing landscape materials, appurtenances, and structures which are to remain.
G	Remove all floor finishes down to substrate.
H	Remove walls and structures down to surface which may be refinished.
J	Where the scope of work requires penetration of the existing slab, the GC shall verify existing slab's construction type. GC to notify owner if a structural supported slab is found. Do not cut any portion of the slab's structural reinforcing. If trench exceeds 8" width, install reinforcing #5 x 18" dowels with 9" embedment @ 18" O.C. The GC & sub-contractors shall maintain the integrity of the existing slab by patching and repairing as needed.
K	Disconnect, remove and cap designated MEP utilities and fixtures within demolition areas. Mark location of disconnected utilities.
L	Remove abandoned electric wiring to source of supply. Verify that abandoned wiring and equipment serves only abandoned facilities. Coordinate utility service outages with utility company. Cut conduit flush with or beneath walls and floors, and refinish surfaces.
M	When encountered, inform owner of presence of contaminated materials. Contaminated materials are to be removed by others. Verify that previously removed materials are acceptable prior to commencement of demolition work.

Legend - Demo Plan

	Scope of Work		Door to be removed
	Not In Contract		Scope Note
	Construction to be removed		Floor outlet
	Existing wall to remain		Wall outlet
E'	Existing		
D'	Demolish		
R'	Relocate		
N'	New		

Scope Notes Demolition Elevation

1	Remove signage.
2	Remove sconce.
4	Remove accent diamonds.
6	Remove storefront door.



#718

7419 International Dr.
Orlando, FL 32819

Owner:

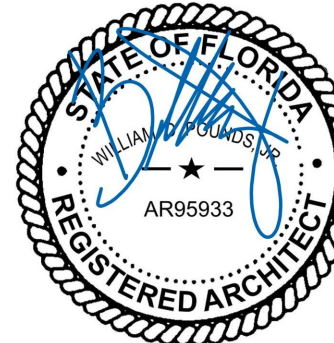
CEC ENTERTAINMENT, INC.
1707 Market Place Blvd. Suite 200
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Ph: 972-258-5521
Contact: Walter Boyd

Architect:

Parkway C&A, LP
1000 Civic Circle
Lewisville, TX 75287
Ph: 972-221-1979
Contact: Bill Pounds

MEP Engineer:

Dialectic Engineering
310 W 20th Street 200
Kansas City, MO 64108
Ph: (816)997-9627
Contact: Joe Hillebrenner, P.E.



This item has been electronically signed and sealed by William D. Pounds, Jr. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on electronic copy. William D. Pounds, Jr. 2021.05.27 13:37:13-0500
Architect: William D Pounds Jr.

A	Permit Set	2021 05 28
No.	Description	Date

DRAWN BY: CH
CHECKED BY: VG
PROJ. NO: 94-21751
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Demolition Elevations

Approved By:
Orange County
Division of Building Safety

Permit B2190302

Date 08/13/21

D1.2

Key #	Demolition Notes
A	Existing conditions are based on field observations. The demolition plan is for reference only. Contractor to verify existing conditions prior to the start of work.
B	Demolish existing structures and fixtures in an orderly and careful manner.
C	Provide temporary support, shoring and bracing as required to protect existing structural items remaining in place. Verify and coordinate existing utilities to be removed and/or relocated.
D	Erect waterproof closures for exterior openings created by demolition work.
E	Demolished items shall be removed from site and legally disposed of.
F	Protect existing landscape materials, appurtenances, and structures which are to remain.
G	Remove all floor finishes down to substrate.
H	Remove walls and structures down to surface which may be refinished.
I	Where the scope of work requires penetration of the existing slab, the GC shall verify existing slab's construction type. If structural steel structural supported slabs is found, Do not cut any portion the slab's structural reinforcing. If trench exceeds 8" width, install reinforcing #5 x 18" dowels with 9" embedment @ 18" O.C. The GC & sub-contractors shall maintain the integrity of the existing slab by patching and repairing as needed.
K	Disconnect, remove and cap designated MEP utilities and fixtures within demolition areas. Mark location of disconnected utilities.
L	Remove abandoned electric wiring to source of supply. Verify that abandoned wiring and equipment serves only abandoned facilities. Coordinate utility service outages with utility company. Cut conduit flush with or beneath walls and floors, and refinish surfaces.
M	When encountered, inform owner of presence of contaminated materials. Contaminated materials are to be removed by others. Verify that previously removed materials are acceptable prior to commencement of demolition work.

	Scope of Work		Door to be removed								
	Not In Contract		Scope Note								
	Construction to be removed		Floor outlet								
	Existing wall to remain		Wall outlet								
<table border="0"> <tr> <td>'E'</td> <td>Existing</td> </tr> <tr> <td>'D'</td> <td>Demolish</td> </tr> <tr> <td>'R'</td> <td>Relocate</td> </tr> <tr> <td>'N'</td> <td>New</td> </tr> </table>	'E'	Existing	'D'	Demolish	'R'	Relocate	'N'	New			
'E'	Existing										
'D'	Demolish										
'R'	Relocate										
'N'	New										

1	Remove (40 +/-) floor outlets throughout Kiddie and Games rooms.
2	Remove existing furniture.
3	Remove existing carpet. Include Aux and storage rooms.
4	Remove marlite in vestibule, kid check and restroom vestibule.
5	Remove floor tile as indicated.
6	Demolish studio C.
7	Remove static menu boards.
8	Millwork: remove red laminate at order, salad, merch and beverage.
9	Remove existing decor.
11	Remove stanchions at kid check.
12	Relocate track lights as needed to illuminate wall decor.
14	Demolish doors at entry.
16	6" wide trench line to 13"x13" rough opening in slab.
17	Demolish 2' wall opening for new ICEE machine.
18	Demo out header and patch walls

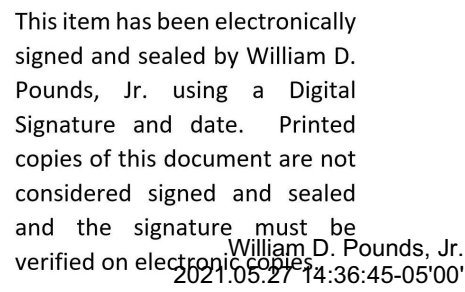
Type Mark	Description	Count	CEC Seat count
Garnes			
FN-03b	28" x 42"	14	56
FN-03T	28" x 42" Table	6	18
Kiddie			
FN-03b	28" x 42"	3	12
FN-03T	28" x 42" Table	2	6
FN-04b	28" x 56"	10	60
FN-04T	28" x 56" Table	4	20
Show Room			
FN-03b	28" x 42"	10	40
FN-03T	28" x 42" Table	1	3
FN-07	26" x 60"	6	36
FN-09	26" x 42"	17	68
		73	319

7419 International Dr
Orlando, FL 32819

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Lewisville, TX 7528
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Contact: Bill Pounds

Dialectic Engineering
310 W 20th Street 200
Kansas City, MO 64108
Ph: (816)997.9627
Contact: Joe Hillebrenner, P.E.



Architect: William D Pounds Jr

DRAWN BY: CH
CHECKED BY: VG
PROJ. NO: 94-21751
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**Approved Plans
Orange County
Division of Building Safety**

Permit B2190302

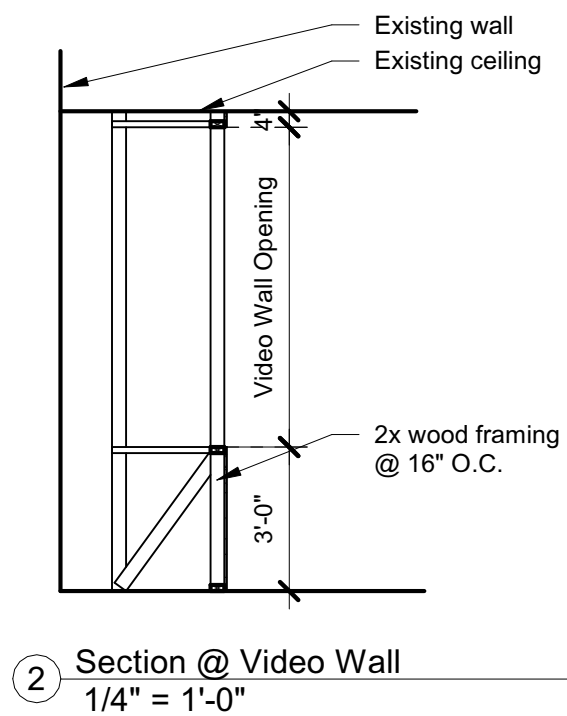
Date 08/13/21

This Approval does not grant permission to violate any applicable code.
Encroachment of any part of this Improvement can result in a cloud on
title of this property. Keep this plan on the job site at all times.

$$1/8" = 1'-0"$$




1 Floor Plan
1/8" = 1'-0"



General Notes - Floor Plan

Key #	Floor Plan General Notes
A	Interior "Clear" dimensions are finish dimensions, "Hold" are to finish face.
B	Security systems are to be provided and installed by others. General Contractor shall be responsible for coordination with owner's security systems contractor.
C	All gypsum board to be installed per manufacturer's recommendations. Gypsum board shall be taped and bedded. Provide fire tape at fire rated partitions. See specifications. Level 4 Finish @ new character wall or match existing texture.
D	Provide wood blocking in partitions as required. Coordinate with owner on items/fixtures and equipment installed by owner that may required blocking.
E	Wall surfaces must be cleaned and dust free prior to caulking.
F	Include 45 LF of painted grey specialty stripes.
G	Caulk at chairrail throughout guest area.

General Notes - Furniture

A	New booth's and sattee's to be fabricated by owner's millwork manufacturer and installed by the GC. Settee's to be mechanically fastened. Refer to manufacturer's shop drawings.
B	Booth divider panels to be mechanically fastened to booth seating. Refer to manufacturer's shop drawings.
C	Existing Kid check stanchions to be replaced with adjustable queue rail.
D	Existing millwork to remain. Replace red plastic laminate as indicated. Prep for new mosaic tile FRP.
E	GC to install new artwork, decor and coat hooks as indicated. GC to install matching corner guards as needed. Final location to be determined by CEC prior to construction. Do not install any decor until mounting locations have been verified by CEC PA.
F	Install fire extinguishers, alarms, PA controls, motion detector, emergency lighting, thermostats, etc. as required by local fire and/or building authorities. Installation of new art work and decor shall not be in conflict. Unspecified locations for non life safety items shall be verified with owner prior to installation. Unspecified locations for life safety items shall be verified with local fire and/or building authorities prior to installation. Install "Squawk Boxes" on all customer accessible pull stations
G	GC to coordinate installation of dance floor tiles & hex TV monitor frame installed above ceiling. Coordinate with CEC's manager of install power as indicated. Refer to Electrical sheets.

Legend - Floor Plan

Room name	Room name and number	AP-XX	Art Package
101			Ref A8.0
1i	Toilet Accessory Tag	NIC	Not In Contract
CG	Corner Guard		Scope Note
	Center of Dance Floor		

Scope Notes - Floor Plan

1	50 +/- under carpet floor outlets throughout Kiddie and Game Rooms.
2	New furniture as indicated.
3	New Carpet layout, include AUX rooms and closets. High traffic carpet at entry vestibule to kid check, Patch floor from stanchion removal.
4	Install marlite in vestibule, kid check and restroom vestibule.
5	New wood look floor tile at cash wrap. See Floor Finish Plan.
6	Patch/repair wall from stage demo. Install Marlite and paint.
7	Install blocking, patch wall; provide wall tile, power and data for mounting digital menu boards.
8	Millwork: install mosaic FRP at order, salad, merch and beverage bar; FRP J-mold at corners as required.
9	Install decor: replace and/or remove all existing legal AJAX signage on exterior and interior during remodel process. Coordinate timing of legal signage removal and replacement so that store is not open without exterior/interior legal signage. Patch/repair from removal.
11	Sand and stain hell-wall caps at entry.
12	Relocated (10) track lights to illuminate wall decor.
14	Install dark bronze storefront door at entry and vestibule.
15	Install corian countertop.
16	Install (8) pendant lights 6'-0" AFF, center on new tables.
17	New recessed dance area with inslab elec. ((5) 20 amp circuits) and (2) data.
18	Provide power and installation for "You Won" sign.
19	Install (9) wall outlets and (9) booth outlets.
22	GC provided kid check doors if none are existing at entry podium.
23	Frame opening in existing wall. Field verify location. Add 20 amp 220V circuit for ICEE Machine. Verify final location with CEC
24	New Promo Video Screen, provide power and data

CEC Seat Count - New

Type Mark	Description	CEC Seat count
Games		
FN-03S	28" x 42"	24
FN-04B	28" x 56"	48
FN-04S	28" x 56"	48
Kiddie		
FN-03S	28" x 42"	24
Show Room		
FN-03S	28" x 42"	40
FN-04S	28" x 56"	6
FN-07	26" x 60"	72
FN-08	24" x 90"	32
FN-09	26" x 42"	24
		318

Table Count

Type Mark	Description	Table Count
Games		
FN-03S	28" x 42"	6
FN-04B	28" x 56"	8
FN-04S	28" x 56"	8
Kiddie		
FN-03S	28" x 42"	6
Show Room		
FN-03S	28" x 42"	10
FN-04S	28" x 56"	1
FN-07	26" x 60"	12
FN-08	24" x 90"	4
FN-09	26" x 42"	6
		61



#718

7419 International Dr.
Orlando, FL 32819

Owner:

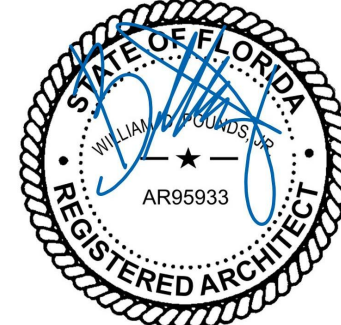
CEC ENTERTAINMENT, INC.
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Contact: Walter Boyd

Architect:

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Contact: Bill Pounds

MEP Engineer:

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Ph: (816)997-9627
Contact: Joe Hillebrenner, P.E.



This item has been electronically signed and sealed by William D. Pounds, Jr. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on eSignatures. Signed: William D. Pounds, Jr. 10/21/2021 15:25:18-0500'

Architect: William D Pounds Jr

A	Permit Set	2021 05 28
No.	Description	Date

DRAWN BY: CH

CHECKED BY: VG

PROJ. NO: 94-21751

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Floor Plan

Approved By:
Orange County
Division of Building Safety

A1.0

Permit

B2190302

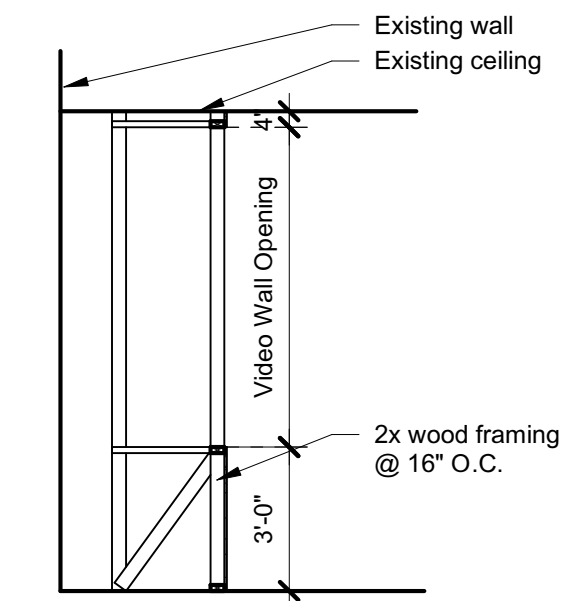
Date

08/13/21

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1 Floor Plan
1/8" = 1'-0"



2 Section @ Video Wall
1/4" = 1'-0"

General Notes - Floor Plan

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D	Provide wood blocking in partitions as required. Coordinate with owner on items/fixtures and equipment installed by owner that may required blocking.
E	Wall surfaces must be cleaned and dust free prior to caulking.
F	Include 45 LF of painted grey specialty stripes.
G	Caulk at chairrail throughout guest area.

General Notes - Furniture

A	New booth's and settee's to be fabricated by owner's millwork manufacturer and installed by the GC. Settee's to be mechanically fastened. Refer to manufacturer's shop drawings.
B	Booth divider panels to be mechanically fastened to booth seating. Refer to manufacturer's shop drawings.
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D	Existing millwork to remain. Replace red plastic laminate as indicated. Prep for new mosaic tile FRP.
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G	GC to coordinate installation of dance floor tiles & hex TV monitor frame installed above ceiling. Coordinate with CEC's manager of install power as indicated. Refer to Electrical sheets.

Legend - Floor Plan

Room name	Room name and number	AP-XX	Art Package
101			Ref A8.0
1i	Toilet Accessory Tag	NIC	Not In Contract
CG	Corner Guard		Scope Note
	Center of Dance Floor		

Scope Notes - Floor Plan

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5	New wood look floor tile at cash wrap. See Floor Finish Plan.
6	Patch/repair wall from stage demo. Install Marlite and paint.
7	Install blocking, patch wall; provide wall tile, power and data for mounting digital menu boards.
8	Millwork: install mosaic FRP at order, salad, merch and beverage bar; FRP J-mold at corners as required.
9	Install decor; replace and/or remove all existing legal AJAX signage on exterior and interior during remodel process. Coordinate timing of legal signage removal and replacement so that store is not open without exterior/interior legal signage. Patch/repair from removal.
11	Sand and stain half-wall caps at entry.
12	Relocated (10) track lights to illuminate wall decor.
14	Install dark bronze storefront door at entry and vestibule.
15	Install corian countertop.
16	Install (8) pendant lights 6'-0" AFF, center on new tables.
17	New recessed dance area with inslab elec. ((5) 20 amp circuits) and (2) data.
18	Provide power and installation for "You Won" sign.
19	Install (9) wall outlets and (9) booth outlets.
22	GC provided kid check doors if none are existing at entry podium.
23	Frame opening in existing wall. Field verify location. Add 20 amp 220V circuit for ICEE Machine. Verify final location with CEC
24	New Promo Video Screen, provide power and data

CEC Seat Count - New

Type Mark	Description	CEC Seat count
Games		
FN-03S	28" x 42"	24
FN-04B	28" x 56"	48
FN-04S	28" x 56"	48
Kiddie		
FN-03S	28" x 42"	24
Show Room		
FN-03S	28" x 42"	40
FN-04S	28" x 56"	6
FN-07	26" x 60"	72
FN-08	24" x 90"	32
FN-09	26" x 42"	24
		318

Table Count

Type Mark	Description	Table Count
Games		
FN-03S	28" x 42"	6
FN-04B	28" x 56"	8
FN-04S	28" x 56"	8
Kiddie		
FN-03S	28" x 42"	6
Show Room		
FN-03S	28" x 42"	10
FN-04S	28" x 56"	1
FN-07	26" x 60"	12
FN-08	24" x 90"	4
FN-09	26" x 42"	6
		61



#718

7419 International Dr.
Orlando, FL 32819

Owner:

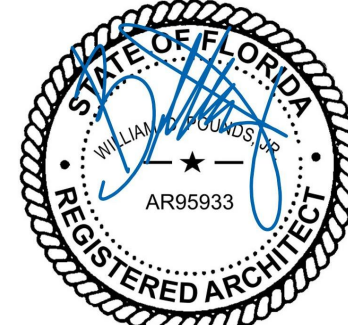
CEC ENTERTAINMENT, INC.
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Ph: 972-258-5521
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Ph: 972-221-1979
Contact: Bill Pounds

MEP Engineer:

Dialectic Engineering
310 W 20th Street 200
Kansas City, MO 64108
Ph: (816)997-9627
Contact: Joe Hillebrenner, P.E.



This item has been electronically signed and sealed by William D. Pounds, Jr., using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on electronic documents.
Architect: William D Pounds Jr.

No.	Description	Date
1	Response to Comments	2021 06 22
A	Permit Set	2021 05 28

DRAWN BY: CH

CHECKED BY: VG

PROJ. NO: 94-21751

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Floor Plan

Approved By:
Orange County
Division of Building Safety

A1.0

Permit

Date

08/13/21

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Dimension Outlets Plan	
	Floor outlet duplex
	20 AMP dedicated power supply
	Duplex receptacle w/2 integral USB charging ports
E	Existing Item



DRAWN BY: CH
CHECKED BY: VG
PROJ. NO: 94-21751
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A1.2

Date 08/13/21

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